

# 2023

7           a controller connected to the antenna, the  
8       controller capable of generating a direction-selection  
9       signal to steer the electromagnetic signal to a  
10      selected direction corresponding to a high gain  
11      position in response to detecting an expected signal  
12      transmitted by another one of the communication  
13      devices.

3                   a transceiver connected to the antenna, the  
4       transceiver capable of generating an antenna gain  
5       signal in response to detecting the expected signal;  
6       and

10











signal to the selected direction in response to the direction-selection signal.

27. The network of claim 26, wherein at least some of the antenna elements are capable of being activated individually to transmit electromagnetic signals at different power levels.

28. The network of claim 26, wherein the antenna elements are arranged in a plurality of arrays disposed on different planes.

29. The network of claim 28, wherein the antenna elements are disposed on at least three planes to form an electronically steered radiation pattern.

30. The network of claim 18, wherein the antenna comprises a microstrip antenna.

31. The network of claim 18, wherein the antenna of the first communication device is capable of scanning in a plurality of directions until the electromagnetic signal transmitted by the second communication device is detected by the first communication device.

32. The network of claim 31, wherein the antenna of the second communication device is capable

3 of scanning in a plurality of directions until the  
4 electromagnetic signal transmitted by the first  
5 communication device is detected by the second  
6 communication device.

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